

Material Safety Data Sheet MACHINERY ENAMEL

COMPANY DETAILS

Company Name: PPG Industries – Prominent Paints (Pty) Ltd

Address: 11 Dan Jacobs Street, Alrode, Alberton, Gauteng

Tel: 011 389 4649 **Fax:** 011 389 4783

Emergency telephone no.: Spill Emergency: 0800 17 07 43 (Rapid Spill Response)
Health Emergency: 0800 33 3444 (Poison Control Centre)
DG Advisor: 082 3779430

MSDS Prepared by: Johan Batist and Shaleen Olivier

1. PRODUCT AND COMPANY IDENTIFICATION:

Trade name: MACHINERY ENAMEL

Product use: PAINTING

Common Name: QD ENAMEL

Chemical family: SOLVENT BASED ENAMELS **Chemical name:** N/A

Synonyms: N/A

CAS No. : N/A

UN no.: 1263
related

Proper shipping name: Paint and Paint

Hazard Class: 3

Packing Group: II

2. PRODUCT COMPOSITION:

EEC classification: Highly Flammable. Harmful if Swallowed/ Irritating to skin and eyes/

Hazardous components: Toluene, Xylene and ethyl benzene.

Components	CAS #	Concentration	Risk Phrase
Alkyd resin	N/A	9-50%	R10,11,18,36,37,38,45,63,
Pigments		10-20%	R20/21/22/23
Heavy Aliphatic Solvent	64742-94-5	35-50%	R10,R65,
Ingredients determined not to be hazardous		to 100%	

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3. HAZARDS IDENTIFICATION:

Highly Flammable, excessive exposure to this material must be avoided

Skin: Irritating, risk of dermatitis.

Eyes: Irritating.

Ingestion: Irritating and nauseating.

No carcinogenic, mutagenic or genetic effects established

4. FIRST-AID MEASURES

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing.

Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask.

Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly.

Medical attention and special treatment:

Treat symptomatically. Contact poison control centre

5. FIRE-FIGHTING MEASURES

Hazards from combustion products:

Flammable liquid. On burning will emit toxic fumes.

Precautions for fire fighters and special protective equipment:

Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Alcohol resistant foam is the preferred fire fighting medium but, if it is not available, normal protein foam can be used.

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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

SMALL SPILLS: Collect in a container for disposal via special chemical waste collection.

LARGE SPILLS: Shut off all possible sources of ignition. Wear protective equipment to prevent skin and eye contact.

Avoid breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Conditions for safe storage:

Store in a well-ventilated area away from foodstuffs, oxidising agents and sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:

Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. All potential sources of ignition (openflames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do not smoke.

Vapour may travel a considerable distance to source of ignition and flash back.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational exposure limits: PPE: Eye protection and Gloves

Inhalation: Move to fresh air

Skin: Use barrier cream and impervious gloves.

Eyes: Use goggles. Avoid direct contact.

Ingestion: Observe the rules for hygiene. Wash before eating, drinking or smoking.

OEL Type: Mix-Mixture-See section 2

	TWA	PEL	TLV
Toluene	50ppmRL	9.992ppm	Not determined
Xylene	100ppm RL	8.709ppm	Not determined
Ethyl benzene	100ppm RL	1.864ppm	Not determined

PEL= Permissible Exposure Limits

TLV= Threshold Limit Value

TWA= Time Weighted Average (8 hr.)

Engineering controls:

Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Personal Protection: G - OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Auto flammability:	Not Determined
Colour and Appearance:	Clear and Pigmented	Explosive properties:	Not Determined
Odour:	Characteristic odour	Oxidizing properties:	Not Determined
pH:	N/A	Vapour pressure:	Not determined
Boiling point:	Not available	Density:	0.8-1.4
Melting point:	Not Determined	Solubility - water:	Insoluble
Flash point:	>23deg C	Solubility - solvent:	Immiscible
Flammability:	Flammable	Solubility coefficient	Not Determined

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and openflame. Avoid contact with oxidising agents.

Incompatible materials: Incompatible with oxidising agents.

Hazardous decomposition products: Oxides of carbon.

Hazardous reactions: Incompatible with oxidizing agents

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Oral rat LD50: 375 mg/kg; irritation skin rabbit: 500 mg/24H mild; eye rabbit 250 ug/24H severe; investigated as a reproductive effector.

Chronic Effects on Humans: May cause damage to the following organs: liver, skin, eyes, bone marrow. Extremely hazardous in case of inhalation (lung corrosive). Very hazardous in case of skin contact (irritant).

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways. May cause damage to aquatic organism

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13. DISPOSAL CONSIDERATIONS

Disposal methods:

For large quantities: Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

For small quantities: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty paint containers should be left open in a well-ventilated area to dry out.

When dry recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods Road and Rail; DANGEROUS GOODS.

UN No: 1263
Class-primary 3 Flammable Liquid
Packing Group: II
Proper Shipping Name: PAINT AND PAINT RELATED
Hazchem Code: 3Y

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1263
Class-primary: 3 Flammable Liquid
Packing Group: II
Proper Shipping Name: PAINT

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1263
Packing Group: II
Proper Shipping Name: PAINT AND PAINT RELATED MATERIAL

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15. REGULATORY INFORMATION.

R11 –Highly Flammable

R18 – In use, may form inflammable/explosive vapour-air mixture

R20/22 – Harmful by inhalation and if swallowed

R36/37/38/ – Irritating to eyes, skin and respiratory system

R45/48/65 – Harmful: May cause cancer and/or lung damage if swallowed, serious damage to health by prolong exposure

S36/37 – Wear suitable protective clothing and gloves.

S56 - Do not discharge into drains or the environment; dispose to an authorised waste collection point

S59 - Refer to manufacturer/supplier for information on recovery/recycling



16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)

OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

All information is given in good faith but without guarantee in respect of accuracy.

No responsibility is accepted for errors or omissions or the consequences thereof.

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